



Weill Cornell Medicine
Cardiothoracic Surgery

Weill Cornell Medicine's Updates in Interventional Pulmonology Symposium: The Era of Robotics

January 12, 2024

Available in Person or Virtual | 8:00 AM – 5:00 PM

Belfer Research Building

Conference Rooms BB 204-B & C

413 East 69th Street, New York, NY 10021

Specialties

**Pulmonology, Interventional Pulmonology,
Thoracic Surgery, Radiology, Pathology,
Physicians in Training**

ctsurgery.weillcornell.org/thoracic

Overview

Morbidity and mortality associated with lung cancer are disproportionately higher compared with other malignancies. More people die from lung cancer than from colon, breast, and prostate cancers combined. Lung cancer outcomes can be improved with early detection, diagnosis, and treatment. Having a robust institutional program to screen incidentally detected lung nodules, offering safe and effective biopsy modalities, and developing a streamlined pathway to expedite treatment can help improve lung cancer outcomes. This symposium will highlight the role of a multidisciplinary team in the development of an effective thoracic oncology program.

This year there will be a special emphasis on robotic bronchoscopy and integration of advanced 3D imaging technology to optimize bronchoscopic diagnostic yield for peripheral pulmonary lesions. The symposium will consist of didactic and hands-on sessions. During the morning didactic session, we will discuss Weill Cornell's multidisciplinary lung cancer screening programs followed by discussions on robotic bronchoscopy and advanced 3D real-time imaging technologies. We will then introduce Weill Cornell's combined robotic bronchoscopy – robotic thoracic surgery single anesthetic event approach to minimize the interval between the diagnosis and treatment of lung cancer. Finally, we will review important considerations about sample acquisition and processing during bronchoscopy.

In the afternoon session, the attendees will be able to interact with the faculty and get hands-on experience with robotic bronchoscopy, endobronchial ultrasound (EBUS), tumor ablation tools, and disposable bronchoscopy systems.

Lecture Topics

- Lung Cancer Screening — WCM Multidisciplinary Approach
- Robotic-Assisted Bronchoscopy
- Advanced Imaging during Robotic-Assisted Bronchoscopy
- Robotic Bronchoscopy — Robotic Thoracic Surgery Single Anesthetic Event — From Intraoperative Nodule Localization To Resection
- Cytology and Molecular Analysis

Hands-On Workshop

- Endobronchial Ultrasound (EBUS)
- Robotic Bronchoscopy
- Cryotherapy / Argon Plasma Coagulation (APC)
- Single Use Bronchoscopes
- iNod Ultrasound Guided Biopsy Needle

Who Should Attend

This course is intended for Pulmonologists, Interventional Pulmonologists, Thoracic Surgeons, and Physicians in Training

Educational Objectives

- Discuss the role of robotic-assisted bronchoscopy in the diagnostic evaluation of lung nodules
- Review available advanced imaging modalities used during bronchoscopy
- Describe the WCM multidisciplinary lung nodule screening program
- Discuss performing robotic bronchoscopy — robotic thoracic surgery in a single anesthetic event

8:00 AM – 8:30 AM

Welcoming Remarks & Breakfast

Eugene Shostak, M.D.

8:30 AM – 10:40 AM

Part I: The Era of Robotics

8:30 AM – 9:10 AM

Eugene Shostak, M.D.

Introduction To Robotic Assisted Bronchoscopy

9:20 AM – 10:00 AM

Muhammad Sajawal Ali, M.D., M.S.

Advanced Imaging Modalities During Bronchoscopy

10:00 AM – 10:40 AM

Bradley B. Pua, M.D.

WCM Multidisciplinary Lung Nodule Program

10:50 AM – 11:20 AM

Break

11:20 AM – 12:50 PM

Part II: The Era of Robotics

11:20 AM – 12:00 PM

Jonathan Villena-Vargas, M.D.

Robotic Bronchoscopy — Robotic Thoracic Surgery Single Anesthetic Event: Thoracic Surgeons' Perspective

12:10 PM – 12:50 PM

Momin T. Siddiqui, M.D.

Cytology and Molecular Analysis

1:00 PM – 2:00 PM

Lunch & Exhibits

2:00 PM – 5:00 PM

Hands On Workshop

Station 1

Olympus Endobronchial Ultrasound (EBUS)

Station 2

Intuitive ION Robotic Bronchoscopy

Station 3

ERBE Cryotherapy / Argon Plasma Coagulation

Station 4

Olympus Disposable Bronchoscopy

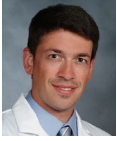
Station 5

Boston Scientific iNod Ultrasound Guided Biopsy Needle



Course Faculty

Course Director



Eugene Shostak, M.D.

Assistant Professor of Medicine in
Clinical Cardiothoracic Surgery
Interventional Pulmonologist

WCM Course Faculty



Muhammad S. Ali, M.D., M.S.

Assistant Professor of Clinical Medicine
Assistant Professor of Medicine in
Clinical Cardiothoracic Surgery
Interventional Pulmonologist



Jonathan Villena-Vargas, M.D.

Assistant Professor of Clinical
Cardiothoracic Surgery



Bradley B. Pua, M.D.

Associate Professor of Radiology
in Cardiothoracic Surgery



Momin T. Siddiqui, M.D.

Professor of Pathology
and Laboratory Medicine

Registration

- Registration is **FREE**.
- Didactic Sessions are in-person or virtual
- **Limited** Registration to first 60 participants for Didactic Session & Hands on Workshop
- For additional information and registration, please visit <https://ctsurgery.weillcornell.org/ip-symposium-era-robotics>



Contact: **Neetu Shaji**
nes9048@med.cornell.edu

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